



Project Name: PennDOT D6 E04239 HSIP 2019
Owner/Client: PennDOT District 6
Type of Project: Traffic Engineering / Stakeholder Engagement
Location: Bucks, Chester, Delaware, Montgomery, Philadelphia Counties
Completion Date: 2022
Contract Value: \$412,381

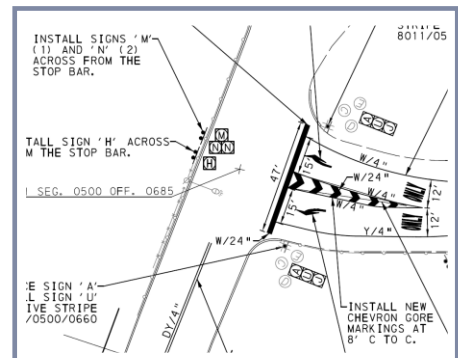
Project Description

PennDOT District 6-0 pursues innovative low-cost safety approaches to improve high crash locations and corridors within the district. PennDOT has initiated low-cost safety improvements to reduce the number of fatalities on Pennsylvania roadways. Types of low-cost safety countermeasures include, improved signage, pavement markings, traffic signal design and pedestrian signal installation.

KMJ's Approach

Chichester Avenue – The Chichester Avenue corridor between the I-95 ramps and Bethel Road in Delaware County was identified for safety improvements as part of this project. KMJ developed a Synchro model of the corridor (two signalized intersections and two unsignalized intersections at the I-95 ramps) to analyze existing conditions and evaluate potential improvements. KMJ coordinated with PennDOT, Delaware County and Upper Chichester Township about the potential to construct roundabouts at the I-95 ramps with Chichester Avenue. In addition, KMJ coordinated one public meeting to present the design alternatives to residents and the Upper Chichester Township Board of Commissioners. **KMJ developed road diet plan for Chichester Avenue between the I-95 ramps to address safety concerns while the proposed roundabouts are under design.**

Intersection Safety Implementation Plan (ISIP) and Roadway Departure Implementation Plan (RDIP) - KMJ completed **construction plans** for both intersections and corridors to address safety concerns and customer complaints in District 6, including **road diets for two corridors**. In addition, KMJ prepared **construction plans for 14 freeway ramps** identified as having **wrong-way crash history**. KMJ completed **Highway Safety Manual (HSM) analysis** for five (5) corridors in the City of Philadelphia.



Client Contact/Reference

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